MARINE FUEL HOMOGENIZER

Heavy Oil Marine Fuel Homogeniser

As found in several independent heavy fuel analysis, the structure of common heavy fuels consist of an average droplet particle size of abt. 70 μ. But more than 90% of the fuel are showing droplets particles larger than ...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Marine Fuel Homogenizer
Standard	EN
Material	Benefits Drastically unloaded filters and purifiers Less visible exhaust...
Weight / Size	As found in several independent heavy fuel analysis, the structure of co...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Marine Fuel Homogenizer	**Model / SKU**	Heavy-Oil-Marine-Fuel-Homogeniser
Standard	EN	**Material**	Benefits Drastically unloaded filters and purifiers Less visible exhaust emissions (soot / particles / dust) Increased power output of engines and boilers Remarkable reduction of abrasive wear and tear on all mechanical parts Prolonged stability times on mechanical parts MF Homogenizer with Magnetic Coupling Advantages Without mechanical seals, no need maintenance Bushes by special material with long life and smooth-running When over load, slippage between inner and outer rotor will protect motor All the fuel treating parts are closed in body, leakage problem is totally solved Endure high temperature to 150 C.
Weight / Size	As found in several independent heavy fuel analysis, the structure of common heavy fuels consist of an average droplet particle size of abt.	**Surface**	180.000 µ3 with a total surface of apr.
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

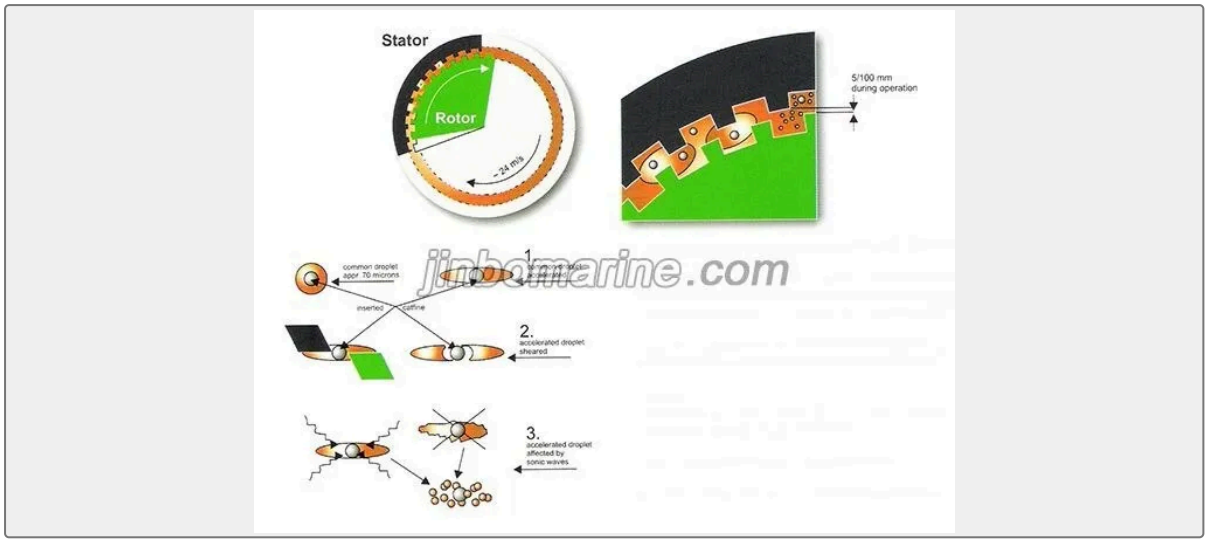
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China Heavy Oil Marine Fuel Homogeniser:

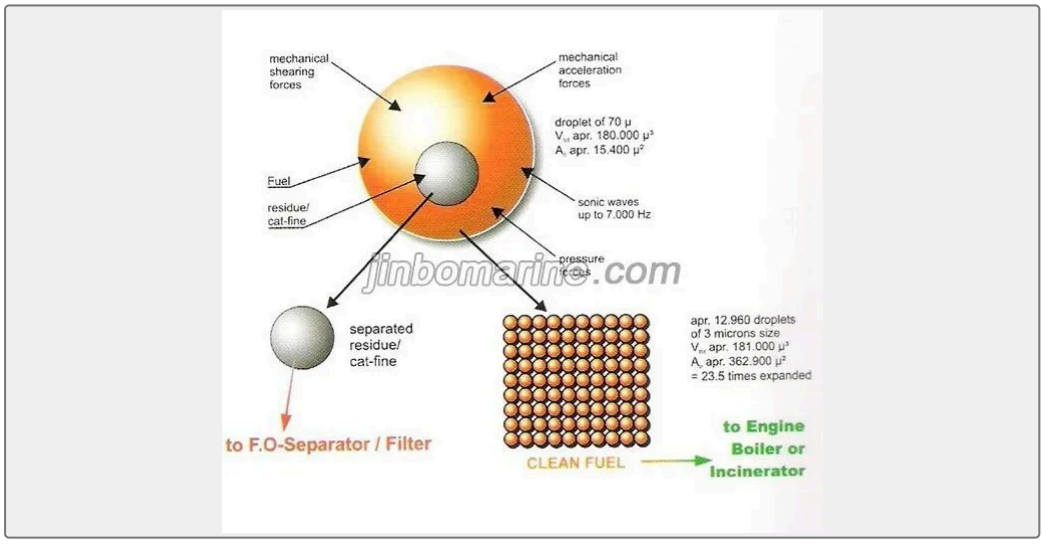
As found in several independent heavy fuel analysis, the structure of common heavy fuels consist of an average droplet particle size of abt. 70 µ. But more than 90% of the fuel are showing droplets particles larger than 20 µ. When a common droplet will be accelerated it alters to a stretched droplet. This accelerated and stretched droplet will be affected by additional shearing forces, it will be divided into numerous smaller droplets. Each fuel particle will be affected this way several times during MF Homogeniser passage. When this treated droplet will further be affected by sonic frequencies it swings up and will further be divided with each MF passage.

In general a common droplet of 70 µ has a specific volume of apr. 180.000 µ3 with a total surface of apr. 15.400 µ2. A 3µ droplet divided has a specific volume of apr. 14 µ3 with a total surface of 28 µ2. Now the partition of one 70 µ droplet results in apr. 12.960 droplets of 3 µ size.



Benefits

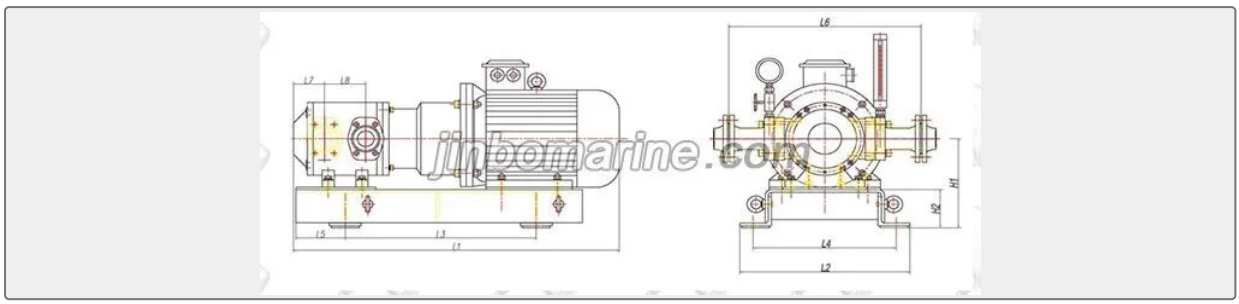
Drastically unloaded filters and purifiers
Less visible exhaust emissions (soot / particles / dust)
Increased power output of engines and boilers
Remarkable reduction of abrasive wear and tear on all mechanical parts
Prolonged stability times on mechanical parts



MF Homogenizer with Magnetic Coupling Advantages

Without mechanical seals, no need maintenance
Bushes by special material with long life and smooth-running
When over load, slippage between inner and outer rotor will protect motor
All the fuel treating parts are closed in body, leakage problem is totally solved
Endure high temperature to 150 C. and 3000 p.m., continue working

Heavy Oil Marine Fuel Homogeniser Technical Specifications



Type	MF30	MF60	MF90	MF250
Displacement，m3/h	3.0	6.0	9.0	25.0
Power,KW	3.0	7.5	7.5	22.0
Voltage,V	380/440			
Speed,r/min	2880/3490	2900/3520	2930/3540	2940/3550
Pressure,Mpa	＜1.0	＜1.2	＜1.2	＜1.6
Temperature,℃	＜160			
Kinematic viscosity，cSt/50℃	＜700			
Pipe diameter,mm	34	50	50	70
Motor insulation grade	IP54			
Weight	95	130	130	370
L1	724	820	967	1189
L2	312	428	468	520
L3	405	480	550	650
L4	262	360	400	460
L5	92.5	124	124	175
L6	396	484	484	565
L7	75.5	76	76	106
L8	104	108	108	170
H1	188	242	270	305
H2	88	110	110	125